

## **ABSTRACT**

A system and method are described for tracing program flow within an application. In one embodiment of the invention, options for modifying application bytecode at a variety of different levels of precision are provided. For example, bytecode may be modified at the application level, the package level, the class level and/or the method level. Each level of precision effectively identifies a different set of methods of the application which are to be traced. Once the level of precision is identified and the application is executed, information related to the modified bytecode is collected via a tracing service.